

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**IN THE MATTER OF:**

Amsted Rail  
3900 Bixby Road  
Groveport, Ohio 43125

**ATTENTION:**

Kim Myers  
Environmental Manager

**Request to Provide Information Pursuant to the Clean Air Act**

The U.S. Environmental Protection Agency is requiring Amsted Rail to submit certain information about the facility at 3900 Bixby Road, Groveport, Ohio 43125. Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendix B specifies the information that you must submit. You must send this information to us according to the schedule in Appendix B.

We are issuing this information request under Section 114(a) of the Clean Air Act (the CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

Amsted Rail owns and operates an emission source at the Groveport, Ohio facility. We are requesting this information to determine whether your emission source is complying with the Clean Air Act.

Amsted Rail must send all required information to:

Attn: Compliance Tracker, AE-18J  
Air Enforcement and Compliance Assurance Branch  
U.S. Environmental Protection Agency  
Region 5

77 W. Jackson Boulevard  
Chicago, Illinois 60604

Amsted Rail must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix C, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emissions data, standards and limitations are not entitled to confidential treatment. Appendix C provides additional information regarding the meaning and scope of the term "emissions data."

This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 et seq., because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil or criminal action.

## **Appendix A**

When providing the information requested in Appendix B, use the following instructions and definitions.

### **Instructions**

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendix B.
2. Precede each answer with the number of the question to which it corresponds and, at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

### **Electronic Submissions**

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for "image over text" to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

Failure to comply fully with this information request may subject Amsted Rail to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any technical questions about this information request to David Sutlin at (312) 353-8990 or at [sutlin.david@epa.gov](mailto:sutlin.david@epa.gov). Any legal questions should be directed to Erik Olson, Associate Regional Counsel, at (312) 886-6829 or at [olson.erik@epa.gov](mailto:olson.erik@epa.gov).

Date

3/31/18

Edward Nam

Director

Air and Radiation Division

3. Provide submission on physical media such as compact disk, flash drive or other similar item.
4. Provide a table of contents for each compact disk or flash drive containing electronic documents submitted in response to our request so that each document can be accurately identified in relation to your response to a specific question. *We recommend the use of electronic file folders organized by question number.* In addition, each compact disk or flash drive should be labeled appropriately (e.g., Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix C for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

#### **Definitions**

All terms used in this information request have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. §§ 7401 et seq., or National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources at 40 C.F.R. Part 63, Subpart ZZZZZ.

1. The term “representative (normal) conditions”, as defined in Clean Air Act National Stack Testing Guidance dated April 27, 2009, shall mean conditions that represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition. If operating at maximum capacity would result in the highest levels of emissions, operating at this level would not create an unsafe condition, and the facility expects to operate at that level at least some of the time, the facility should conduct a stack test at maximum capacity or the allowable/permitted capacity.

## Appendix B

### Information You Are Required to Submit to OEPA

Amsted Rail must submit the following information pursuant to Section 114(a) of the CAA, 42 U.S.C. § 7414(a) within 30 days for Request 1 – 17 and in accordance with the schedule below for Request 18 – 24:

1. Provide a copy of all air permit applications submitted by or on behalf of Amsted Rail for the facility at 3900 Bixby Road, Groveport, Ohio (the facility), to OEPA since January 2008.
2. Provide a copy of all air permit applications submitted to OEPA for electric arc furnaces (P901 and P902) at the facility.
3. Provide a table of all emissions tests conducted at the facility for any reason, from January 2008 to the present, and provide copies of all emissions test reports. Emission testing includes, but is not limited to, compliance testing, engineering testing, and testing for general information. Use the following guidelines for compiling the table and preparing copies of the stack test reports:
  - a. **Table:** Identify the emissions unit, the control device, the date of the test, the federal or state regulation requiring the test (if applicable), pollutants tested, throughput during test, and the test method(s) used. For each test during which the source was not operating at maximum design capacity, provide an explanation for why production was limited. Indicate whether the report was shared with OEPA.
  - b. **Copies:** Provide full stack test reports, including the summary pages, the section describing the process parameters and production or processing rates at the time of the test, all test runs, and all calculations.
4. Provide all EPA Method 9 visual opacity readings, EPA Method 22 visual emissions reading, or all other visible emission observations conducted from January 2013 to the present. The records should state the emission unit, and control device and/or stack, if applicable. Abnormal emissions observations should be accompanied by records of the corrective actions taken in response to the emissions.
5. Provide copies of any deviation, excess emission, or startup, shutdown, and malfunction reports for the facility submitted to OEPA since January 2013.
6. Provide copies of all other quarterly reports, semi-annual compliance reports, annual compliance certifications, or equivalent documents for the facility (not accounted for in Question 6) submitted to OEPA since January 2013.
7. Provide copies of all annual emissions reports submitted to OEPA for the facility from 2013 to the present, and include:

- a. A narrative describing the method used for the annual emissions calculations for each pollutant, including the basis of any emissions factors used;
  - b. Any documents outlining procedures for calculating annual emissions;
  - c. Any Microsoft Excel spreadsheets containing calculations; and
  - d. A table describing the assumed/estimated capture efficiencies for each control device(s) and the associated emission unit(s), including any associated documentation used in developing the capture efficiencies. Include a description of any changes to capture efficiency since May 2001 and any associated documentation.
8. Provide the following records regarding the baghouse ventilation-and-control system associated with the coated sand system (P001), east king mill (P019), cope and drag cleaners (P002 and P003), EAFs (P901 and P902), graphite mold machining (P012, P013, P015, and P016), hot wheel grinders (P004, P005, and P006), hubcutter 1, 2, and 3 (P007, P008, and P009), wheel cleaner, peener and chamfer (P017, P018 and P022) from January 2013 to the present:
- a. Differential pressure readings taken at the baghouse in an Excel Workbook or other compatible format, including the date and time of the readings, and the operating status of associated emission units;
  - b. Operating limits for the differential pressure, the method used to establish the values, and the effective date of these operating limits, including:
    - i. Copies of any manufacturer manuals used to determine operating limits for differential pressure operating range, with reference to where the operating parameters for the baghouse are defined in the manual; and
    - ii. Copies of any performance tests used to determine the differential pressure operating range.
9. Provide all documents, related to all studies, inspections, or evaluations conducted or attempted for any reason at the facility from 1998 to the present, associated with air pollution control equipment and control systems, including but not limited to:
- a. System improvements implemented based on findings of any study, inspection or evaluation;
  - b. Modeling emissions of air pollutants to the atmosphere;
  - c. Ventilation of the EAFs;
  - d. Capture and collection of pollutants emitted by the EAFs;

- e. Performance of the baghouse-ventilation-and-control system (including volumetric flow measurements and static pressure measurements); and
  - f. Commissioning reports.
10. Provide all documents that contain information on the percent capture of PM/PM10 emissions during the melt cycle at EAFs (P901 and P902) at the facility, and during each specific portion of the melt cycle: melting, refining, lancing, charging, and tapping at EAF No. 1 and No. 2. Provide any associated documentation used in developing/determining/estimating capture efficiencies and all information on capture efficiency provided to OEPA for EAFs (P901 and P902).
11. Provide all manufacturer manuals for baghouse 1, associated with EAFs (P901 and P902), including baghouse manufacturer manuals, baghouse operating manuals, and bag manufacturer manuals.
12. Provide the following information for each EAF:
- a. Dimensions of the furnace, including the dimensions of the molten metal when fully charged (feet), and background documents used as a basis for this information;
  - b. Dimensions of the tapping ladle, including the dimensions of the molten metal when fully charged (feet), and background documents used as a basis for this information;
  - c. Distance from the floor of the melt shop to the top of the molten metal in the furnace (feet);
  - d. Distance from the floor of the melt shop to the top of the tapping ladle (feet);
  - e. Average temperature of molten metal in the furnace during initial charging, secondary charging, melting, and tapping (degrees F);
  - f. The number of scrap drops per charge, the drop height, and charge weight per drop;
  - g. The vertical distance from the tap hole on the EAF, while tilted, to the bottom of the ladle; and
  - h. The total weight of molten metal transferred to the ladle during tapping.
13. Provide video footage of each specific portion of the melt cycle: melting (several minutes), refining, lancing, charging, and tapping at the facility. The vertical span from the emission source to the top of the building should be captured in each video.



14. Provide the following information for the ladle preheaters and any other significant heat sources operating in excess of 300 °F in the melt shop at the facility:
  - a. Dimensions of each heat source; and
  - b. Maximum and average temperature of each heat source when in operation (degrees F).
15. Provide the following information for the foundry building at the facility:
  - a. All diagrams that indicate any of the following information: the dimensions of the entire building, the roof monitor(s), door(s), window(s), and interior walls, and the locations relative to a common point of reference of the EAFs, the tapping ladle, the ladle preheaters and any other significant heat sources within the building; and
  - b. For each external opening which features louvers or is otherwise adjustable, provide either (i) the average opening size during spring, summer, fall, and winter as a percentage of the opening size provided in 15.a. or (ii) the dimensions of the opening during spring, summer, fall, and winter.
16. Provide the following information on the particulate matter (PM) generated by the EAFs at the facility:
  - a. Size distribution;
  - b. Weight distribution;
  - c. Density; and
  - d. Baghouse dust analysis, performed since 2008.
17. Within 60 days of receipt of this request, Amsted Rail must perform the following emission testing at the baghouse controlling emissions from the EAFs (P901 and P902) at the facility to quantify:
  - a. The mass emission rate of PM10 (lb/hr and lb/ton). The mass emission rates shall be determined by performing testing using EPA Reference Methods 1, 2, 3, 4, and 201A; and
  - b. The PM10 control efficiency of the baghouse, which will require an additional sampling site at the inlet to the baghouse.
18. During the testing conducted pursuant to Request 17, operate the EAFs (P901 and P902) at the facility according to representative performance/normal operating conditions, per 40 C.F.R. § 63.7(e), and representative (normal) conditions producing the highest emissions, per the Clean Air Act National Stack Testing Guidance dated April 27, 2009.

19. During the testing conducted pursuant to Request 17, conduct a minimum of three runs, with a minimum run duration of one hour, starting at charging.
20. Within 30 days after receipt of this request, Amsted Rail shall submit to EPA the proposed testing protocol(s) that completely describes the methods and procedures for testing at each unit, including all relevant operating parameters and set points. Amsted Rail shall conduct the required testing under a protocol approved in advance by EPA. The protocol shall address the requirements of Request 17 of this information request. Specifically, the protocol shall include the following:
  - a. Feed/charge rate (tons/hour);
  - b. Pressure drop across the baghouse; and
  - c. Other parameters that could impact emission rates.

For all operating parameters and set points in a.-c., include a description of how these operating parameters and set points meet the definition of representative (normal) conditions. Amsted Rail shall submit the protocol via e-mail to David Sutlin at [sutlin.david@epa.gov](mailto:sutlin.david@epa.gov) and to OEPA through eBusiness Center: Air Services at [ebiz.epa.ohio.gov](http://ebiz.epa.ohio.gov). EPA will provide approval or comments on the testing protocol via e-mail.

21. During the testing conducted pursuant to Request 17, monitor and record the parameters in Request 20.a-c.
22. At least 21 days prior to the planned test date(s), Amsted Rail shall submit notification to EPA of its intent to perform emission testing. You may submit this notice by e-mail to David Sutlin at [sutlin.david@epa.gov](mailto:sutlin.david@epa.gov) and to OEPA through eBusiness Center: Air Services at [ebiz.epa.ohio.gov](http://ebiz.epa.ohio.gov).
23. Within 30 days after completion of the tests required by this information request, Amsted Rail shall submit a complete report of the emissions testing on its facility, including, at a minimum, the following:
  - a. Summary of Results
    1. Results of the above specified emission tests;
    2. Process and control equipment parameters that affect emissions to the environment;
    3. Discussion of test errors;
    4. Discussion of any deviations from the reference test methods;
    5. Production data, including steel production rate and feed/charge rate; and
    6. Identification of the feed rate, and all operating parameters.
  - b. Facility Operations
    1. Description of the process and control equipment in operation;

2. Operating parameters of the process units and related equipment at the time of the test; and
3. Facility operating parameters that demonstrate that the process units were operated at maximum production rates at the time of the test.

c. Sampling and Analytical Procedures

1. Sampling port location(s) and dimensions of cross-section;
2. Sampling point description, including labeling system;
3. Brief description of sampling procedures, including equipment and diagram;
4. Description of sampling procedures (planned and accidental) that deviated from any standard method;
5. Brief description of analytical procedures, including calibration;
6. Description of analytical procedures (planned or accidental) that deviated from any standard method; and
7. Quality control/ quality assurance procedures, tests, and results.

d. Appendix

1. Complete results with example calculations;
2. Raw field data (original, not computer printouts);
3. Laboratory report, with signed chain-of-custody forms;
4. Calibration procedures and results;
5. Raw process and control equipment data, signed by plant representative;
6. Test log;
7. Project participants and titles; and
8. Related correspondence.

## **Appendix C**

### **Confidential Business and Personal Privacy Information**

#### **Assertion Requirements**

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendix B, as provided in 40 C.F.R. § 2.203(b).

Emission data provided under Section 114 of the CAA, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2.

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A), (B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the information request as a waiver of that claim, and the information may be made available to the public without further notice to you.

## **Determining Whether the Information Is Entitled to Confidential Treatment**

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show: that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so, that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential by page, paragraph and sentence. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a special event or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as

substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

### **Personal Privacy Information**

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

**CERTIFICATE OF MAILING**

I certify that I sent a Request to Provide Information Pursuant to the Clean Air Act by

Certified Mail, Return Receipt Requested, to:

Kim Myers, Environmental Manager  
Amsted Rail  
3900 Bixby Road,  
Groveport, Ohio 43125

I also certify that I sent a copy of the Request to Provide Information Pursuant to the  
Clean Air Act by E-mail to:

Kelly Toth, Air Pollution Control Manager  
Central District Office  
Kelly.toth@epa.ohio.gov

Robert Hodanbosi, Chief, Division of Air  
Pollution Control  
bob.hodanbosi@epa.ohio.gov

Jeryl L. Olson  
Seyfarth Shaw LLP  
JOlson@seyfarth.com

On the 30<sup>th</sup> day of March 2018.



Kathy Jones, Program Technician  
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER:

7009 1680 0006 7641 3329